

# Bacterial Pollution Levels in Sinclair and Dyes Inlets

August 17, 2004

The following figures illustrate bacterial pollution levels for marine waters, streams, and storm water outfalls in the Sinclair-Dyes Inlet watershed for data collected from Jan. 1, 2001 to Sept. 30, 2003. Each figure depicts the underlying land use and land cover within the watershed and the sampling locations.

Figure 1 – Figure 6 depict water quality violations as red points if the geometric mean [fecal coliform](#) (FC Geomean) is above Part I of the water quality standard (14 colony forming units per 100 ml [cfu/100ml] for marine and 100 cfu/100ml for fresh water) and yellow circles if more than 10% of the samples exceeded Part II of the standard (43 cfu/100ml for marine and 200 cfu/100ml for fresh water). Stations that did not exceed water quality standards are shown as green points.

Water Quality Violations	All Data	Dry Season	Wet Season	Storm Events
Marine and Nearshore	Figure 1	Figure 2	Figure 3	Figure 4
Streams	Figure 5	Figure 6	Figure 7	Figure 8

Figure 9 – Figure 17 show bacterial pollution levels by different size circles scaled to depict increasing geometric mean FC concentrations (cfu/100ml, FC Geomean).

Bacterial Pollution Levels	All Data	Dry Season	Wet Season	Storm Events
Marine and Nearshore	Figure 9	Figure 10	Figure 11	Figure 12
Streams	Figure 13	Figure 14	Figure 15	Figure 16
Storm Water Outfalls	Figure 17			

## Links to Additional Information

Kitsap County Health District

- [Water Quality Page](#)
- [Shellfish Closures related to Paralytic Shellfish Poison or "Red Tide"](#)

Washington State Department of Health

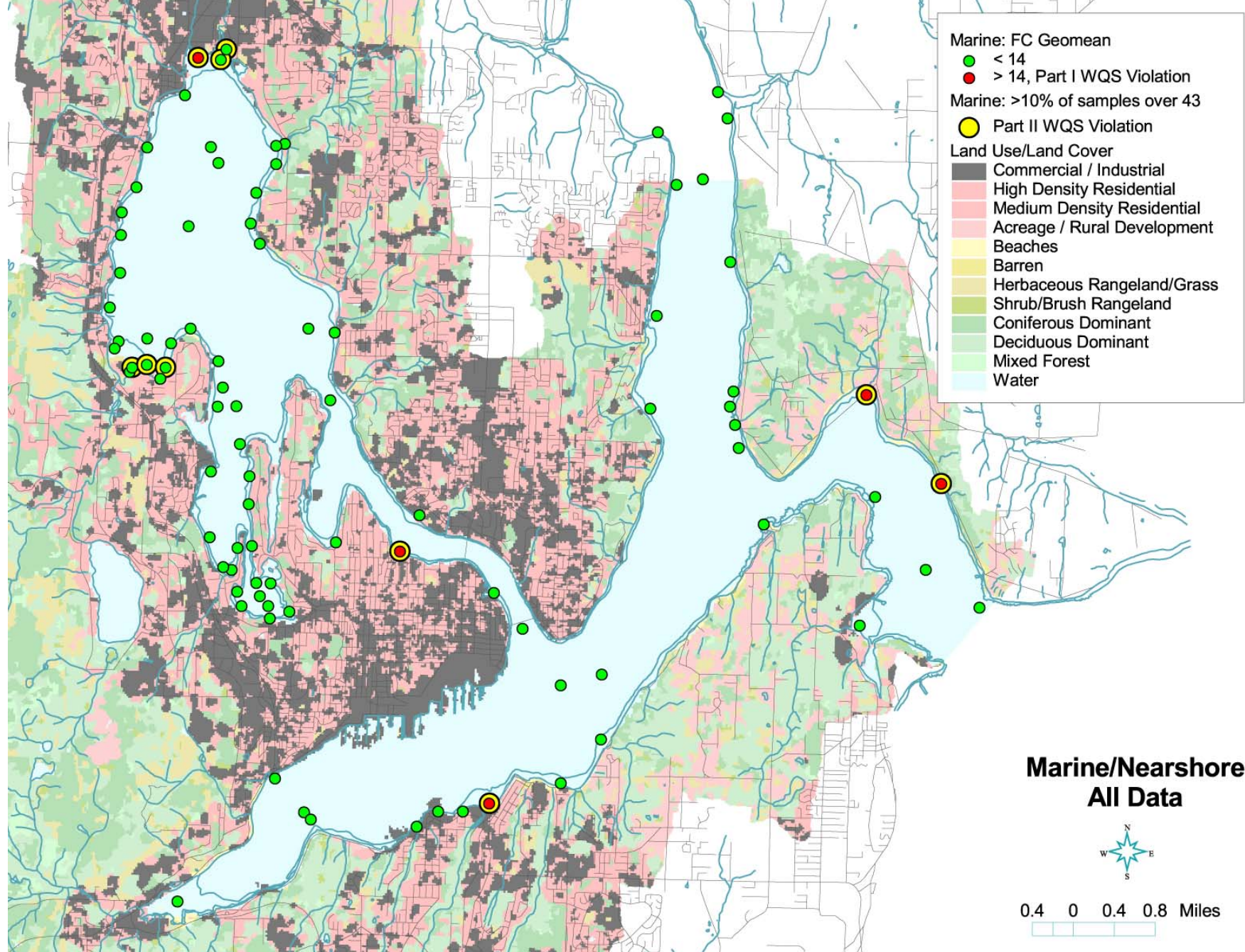
- [Recreational Shellfish Beach Closures Due to Biotoxins or Pollution](#)
- [Food Safety and Shellfish Programs](#)

Washington Department of Fish and Wildlife

- [Washington public beaches for clam and oyster harvest](#)

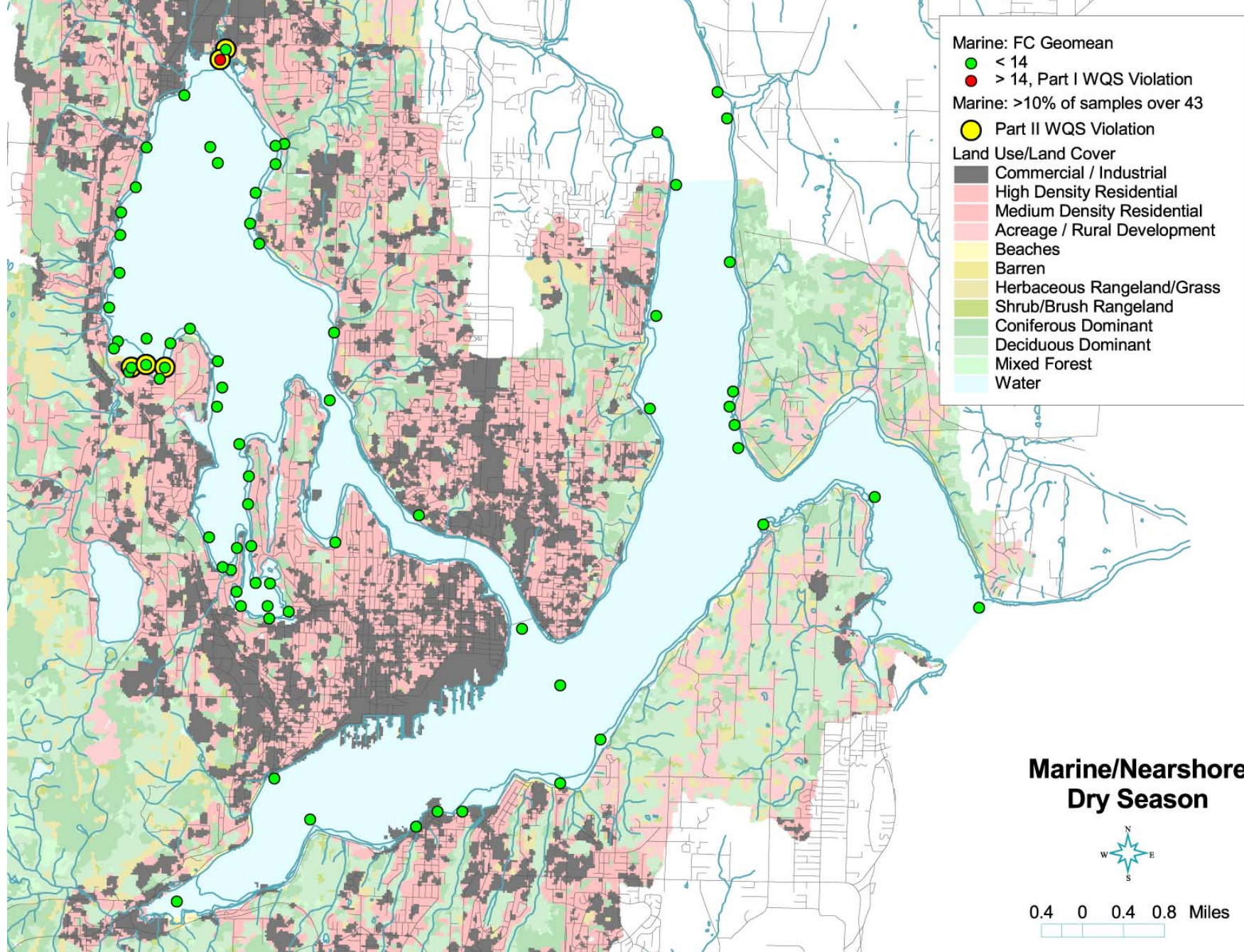
Washington Department of Ecology

- [Sinclair/Dyes Inlet Water Clean Up Plan](#)



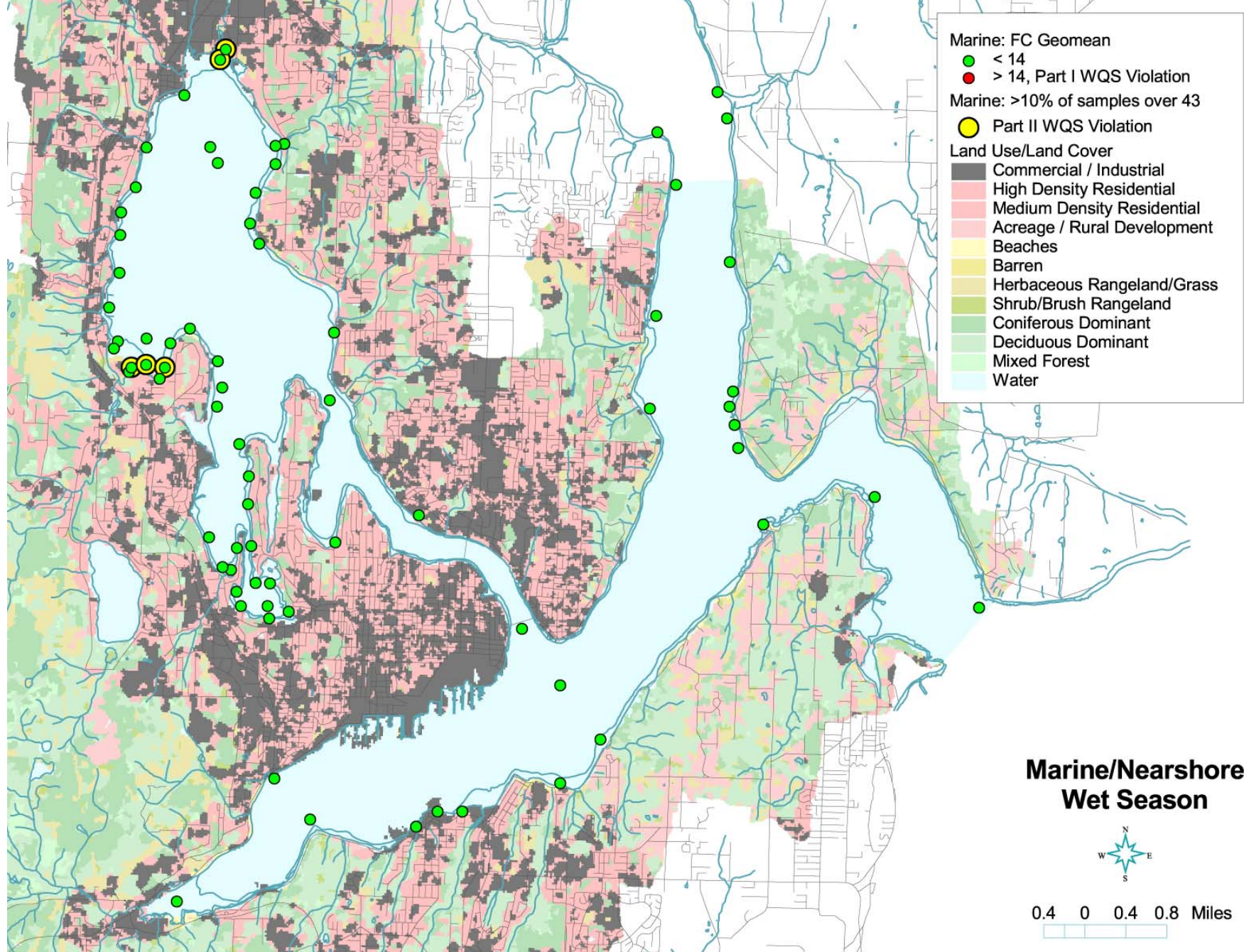
**Figure 1. Summary of water-quality violations for all samples of marine waters in the Sinclair-Dyes Inlet watershed. Data include all FC samples available from Jan 1, 2001 – Sept. 30, 2003.**





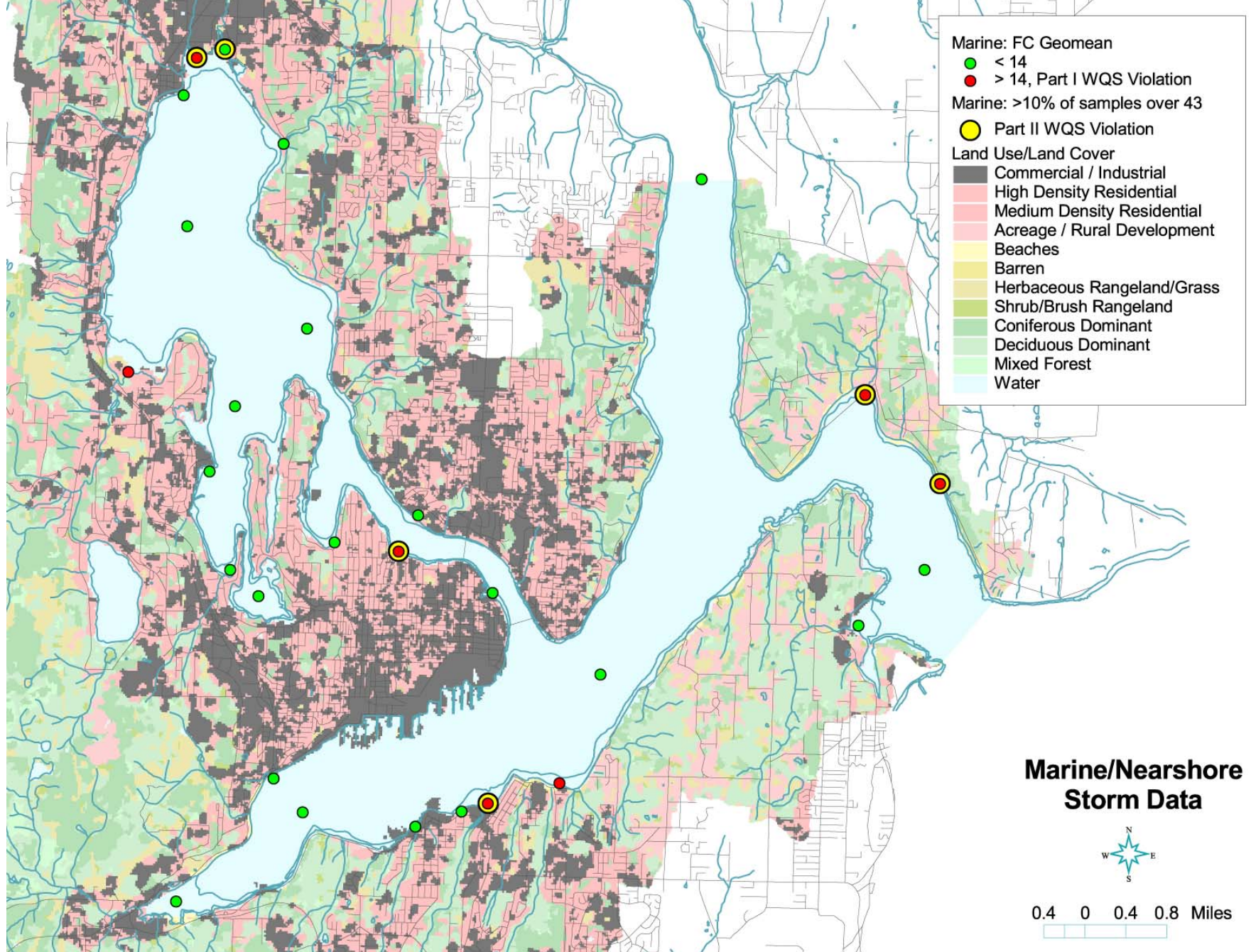
**Figure 2. Summary of water-quality violations for dry season samples of marine waters in the Sinclair-Dyes Inlet watershed. Data include only dry season FC samples from Jan. 2001 - Sept. 2003.**





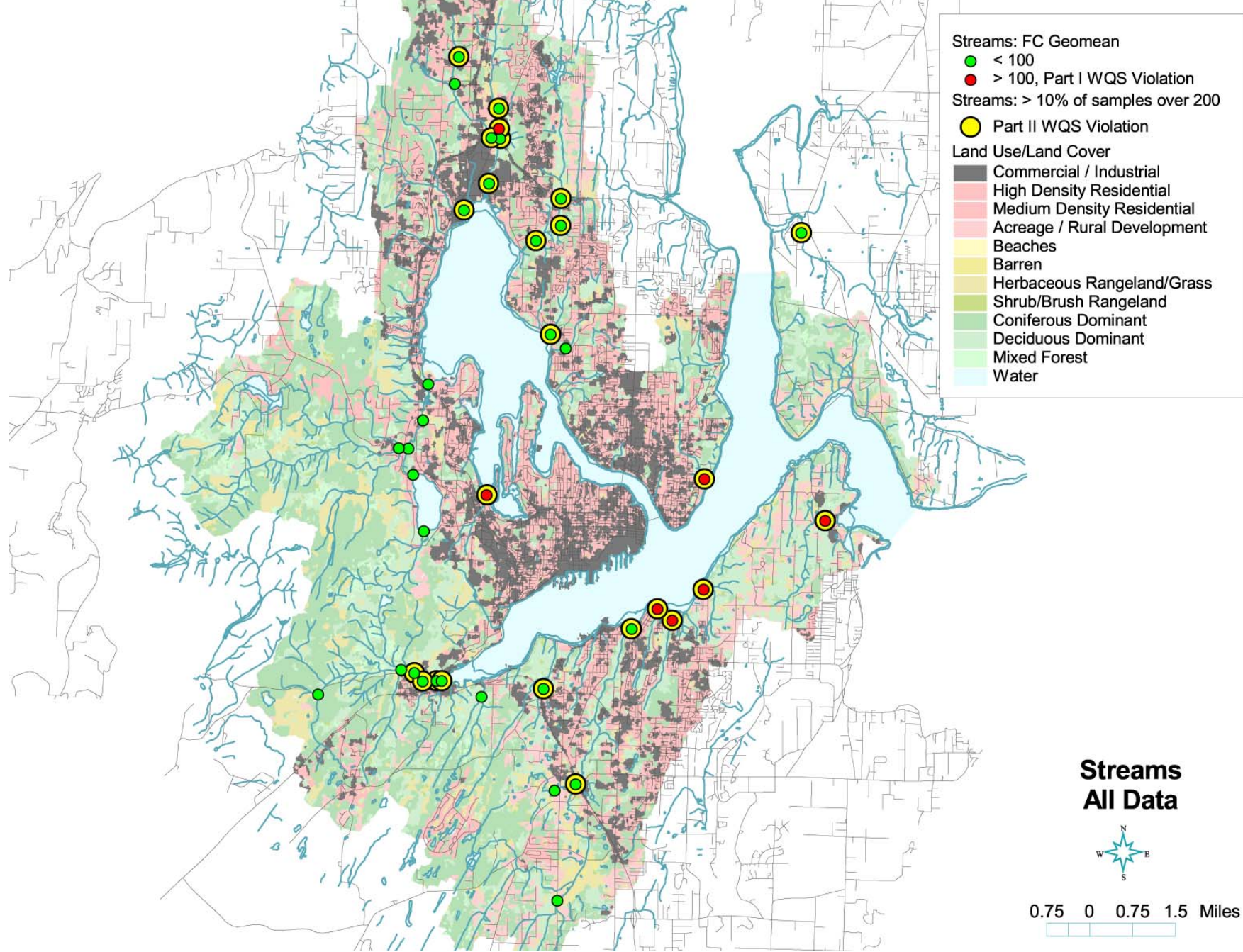
**Figure 3. Summary of water-quality violations for wet season samples. Data include only wet season FC samples collected by KCHD and WDOH from Jan. 2001 to Sept. 2003.**





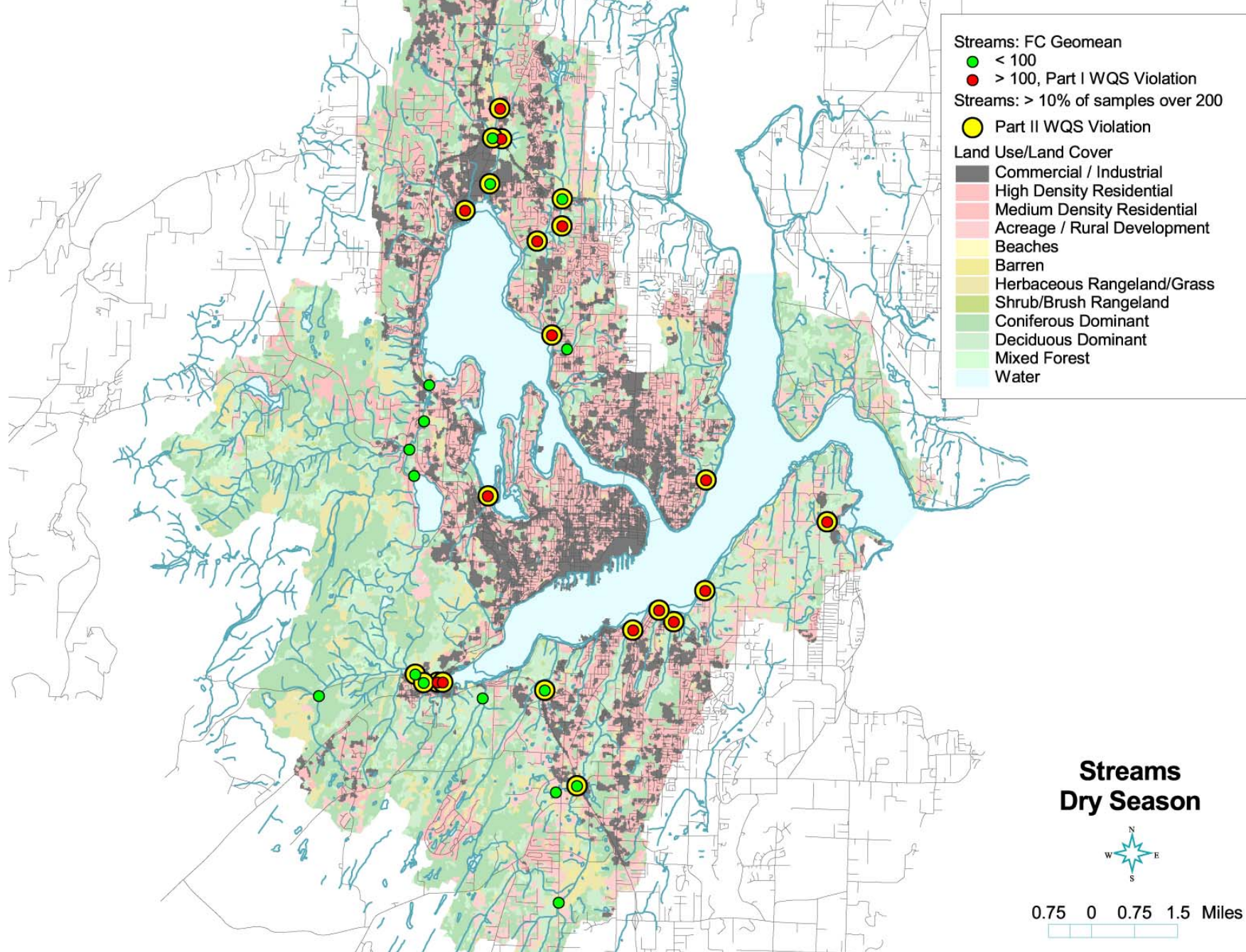
**Figure 4. Summary of water-quality violations for storm event samples of marine waters in the Sinclair-Dyes Inlet watershed. Data include only ENVVEST storm season FC samples collected during the 2002-2003 storm season.**





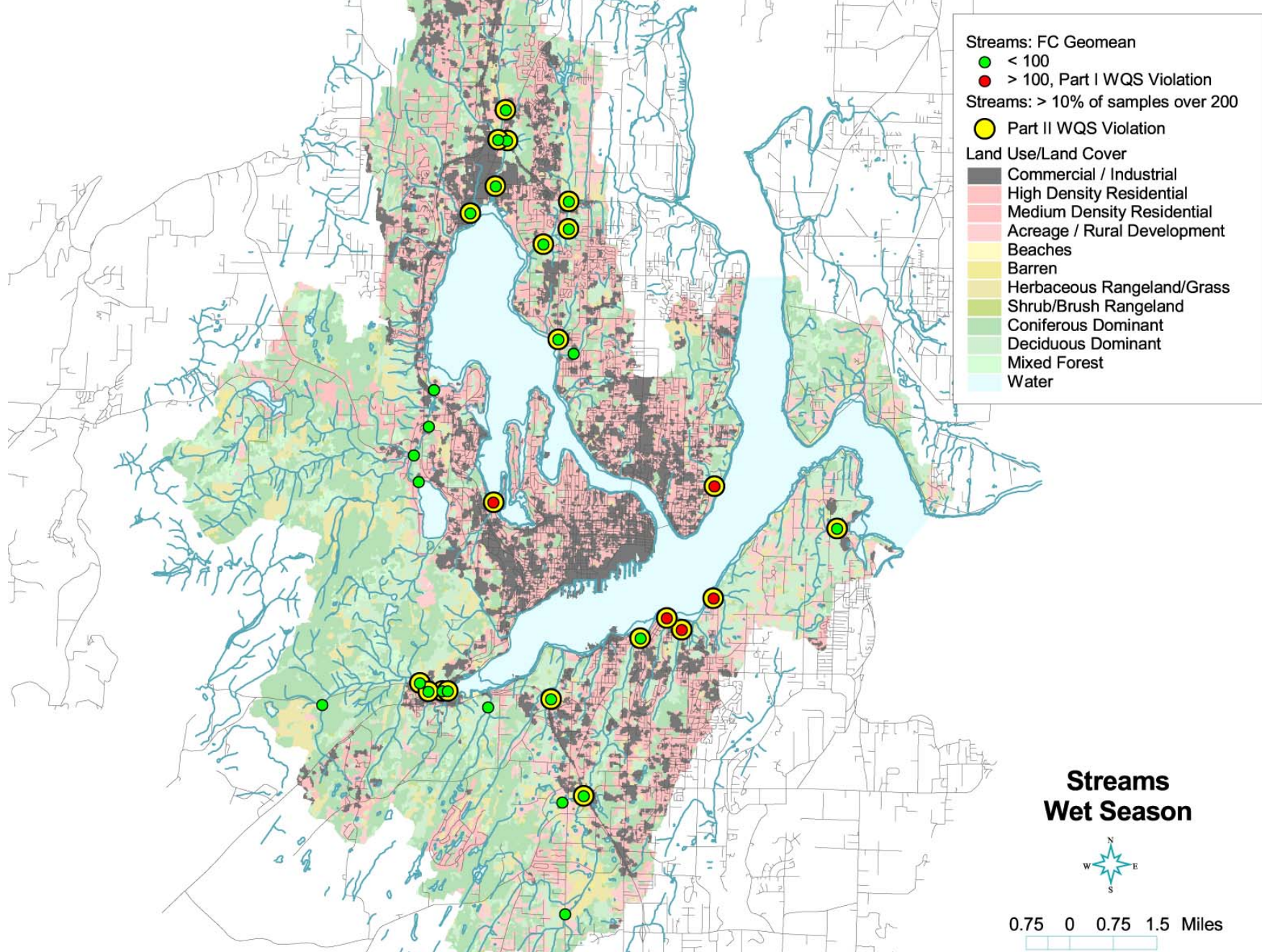
**Figure 5 Summary of water-quality violations for all samples of streams in the Sinclair-Dyes Inlet watershed. Data include all FC samples available from Jan 1, 2001 – Sept. 30, 2003.**





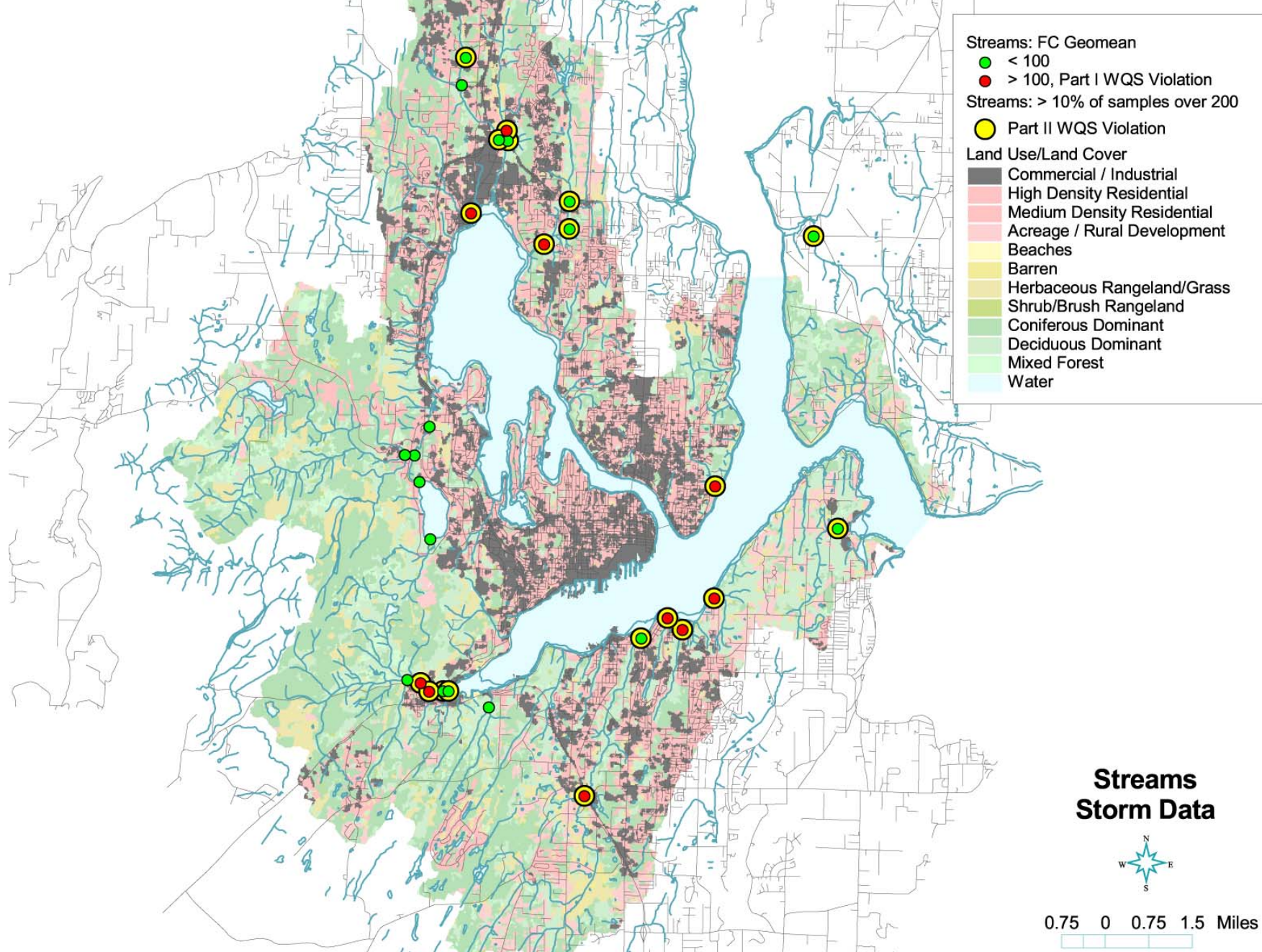
**Figure 6. Summary of water-quality violations for dry season samples of streams in the Sinclair-Dyes Inlet watershed. Data include only dry season FC samples from Jan. 2001 - Sept. 2003.**





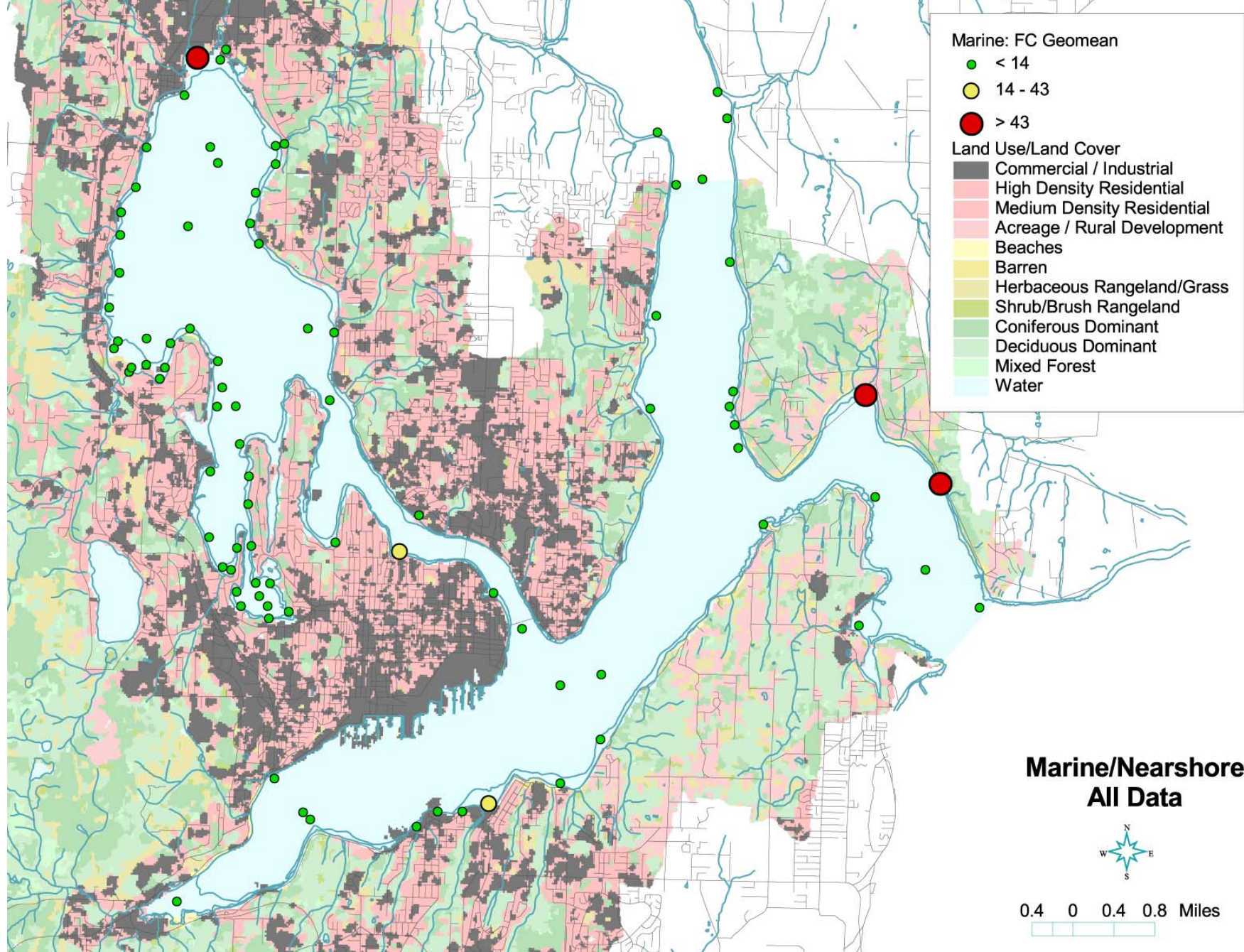
**Figure 7. Summary of water-quality violations for streams in the Sinclair-Dyes Inlet watershed. Data include only wet season FC samples collected by KCHD from Jan. 2001 to Sept. 2003.**





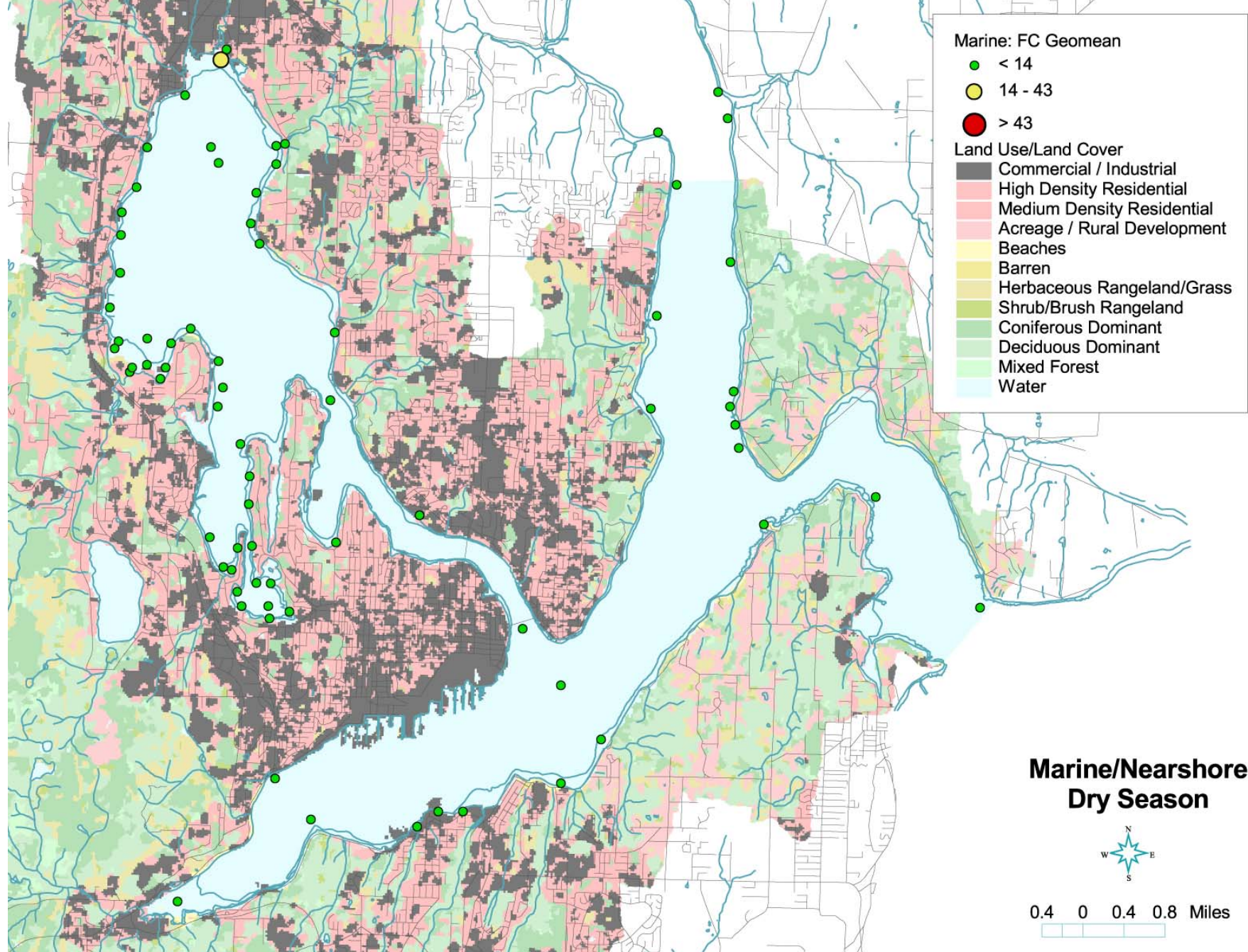
**Figure 8. Summary of water-quality violations for storm event samples. Data include only ENVVEST storm season FC samples collected during the 2002-2003 storm season.**





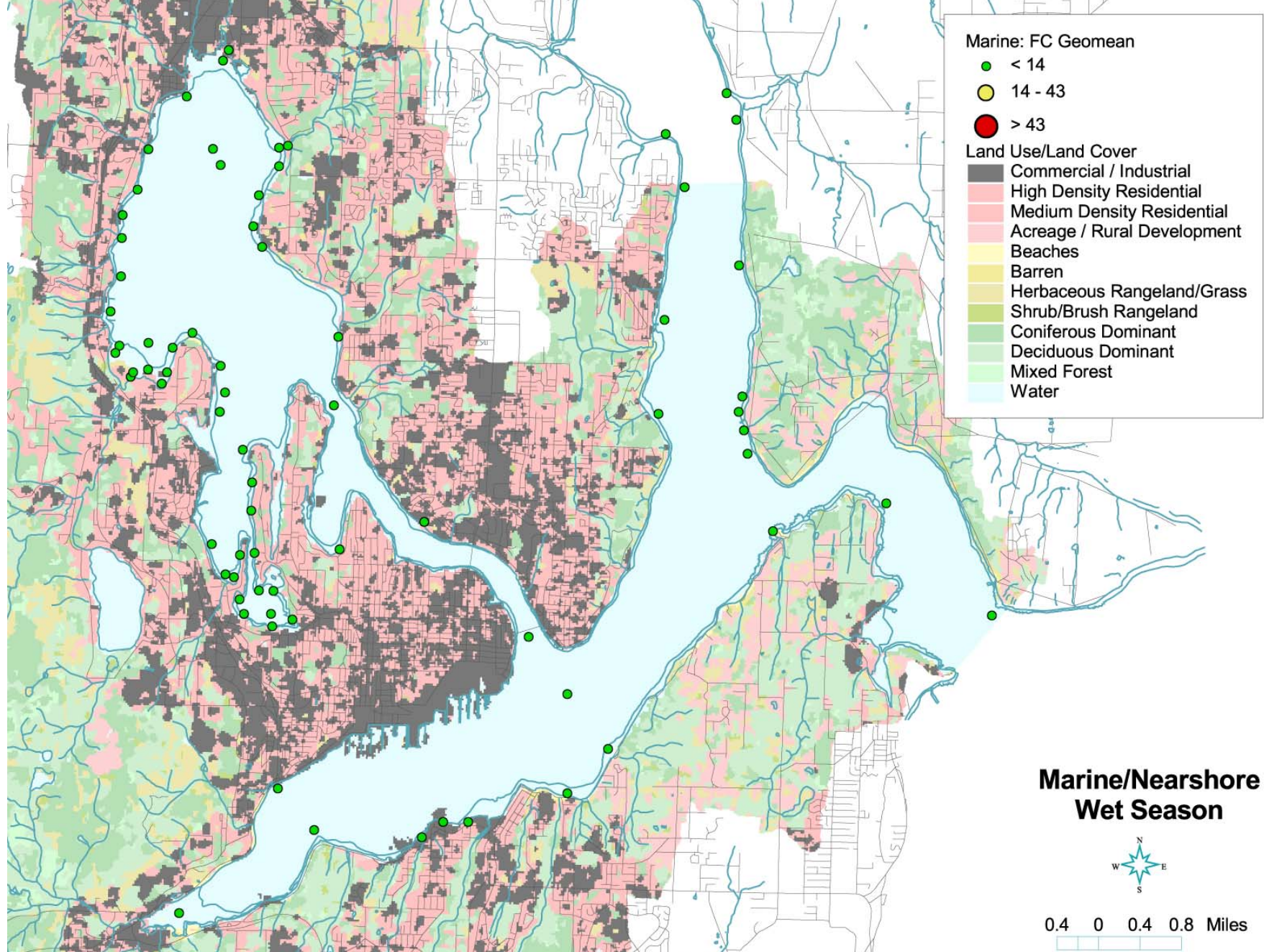
**Figure 9. Bacterial pollution levels for all data of marine waters in the Sinclair-Dyes Inlet watershed. Data include all FC samples available from Jan 1, 2001 – Sept. 30, 2003.**





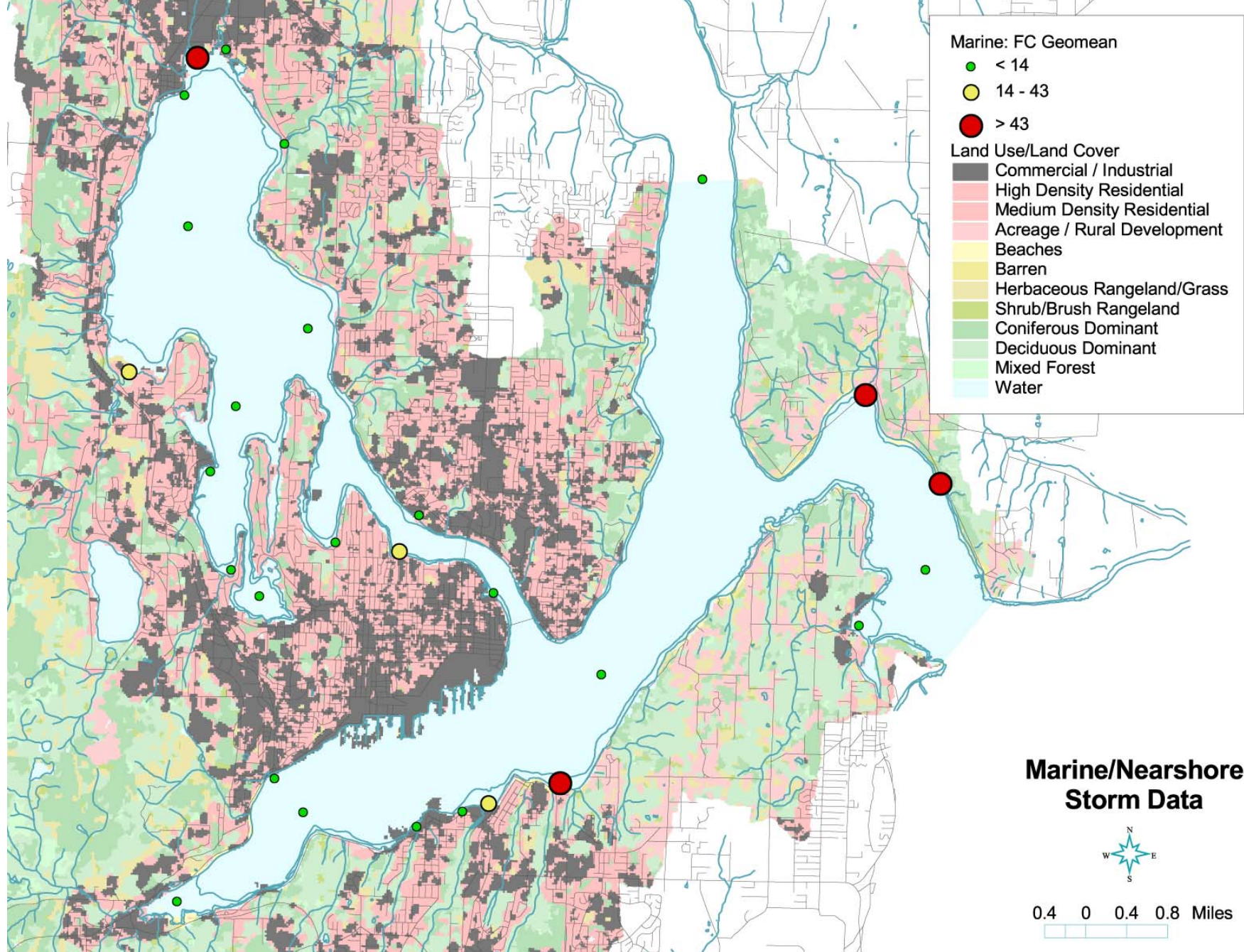
**Figure 10. Bacterial pollution levels for dry season samples of marine waters in the Sinclair-Dyes Inlet watershed. Data include only dry season FC samples from Jan. 2001 - Sept. 2003.**





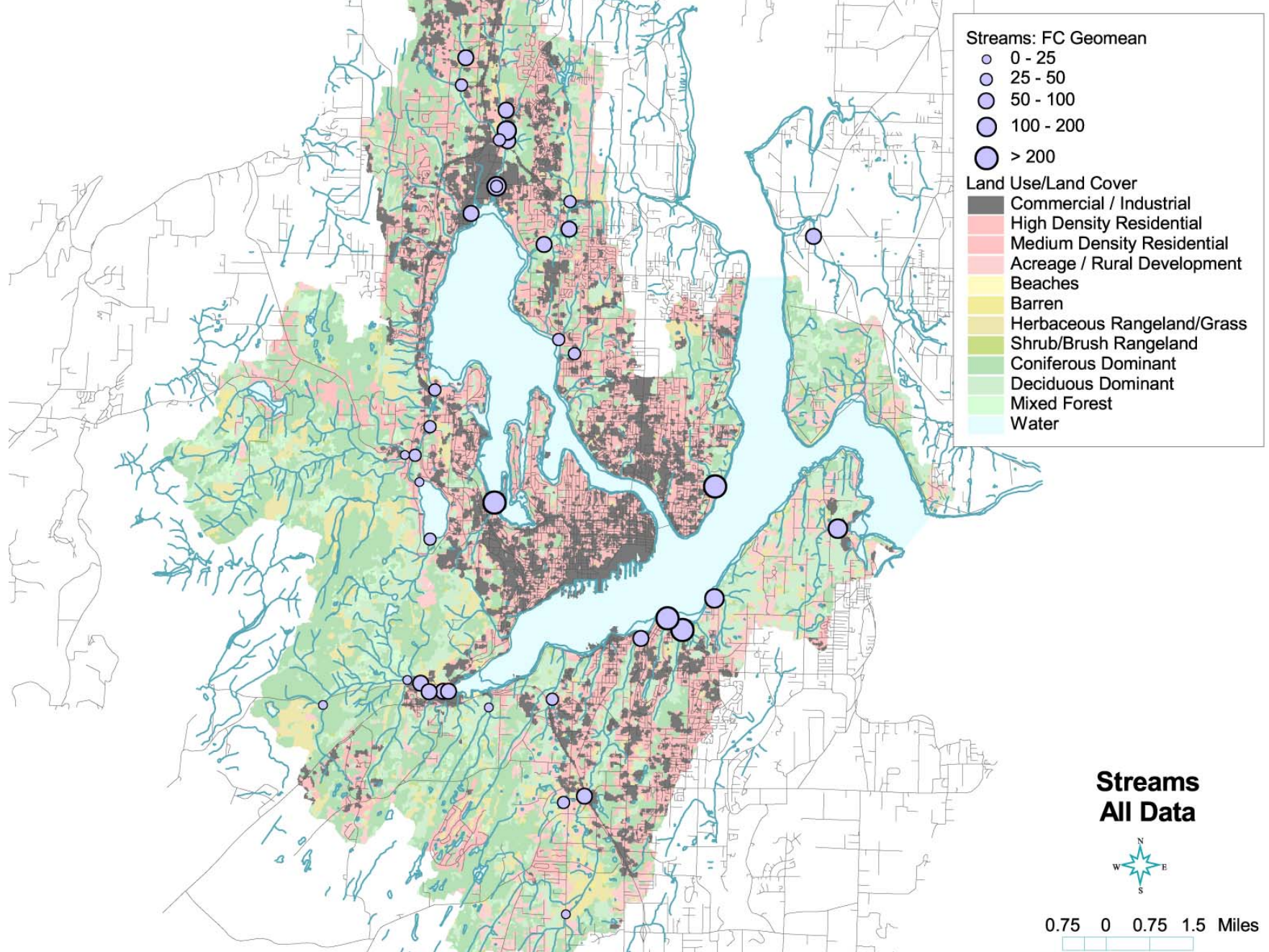
**Figure 11. Bacterial pollution levels for wet season samples of marine waters. Data include only wet season FC samples collected by KCHD and WDOH from Jan. 2001 to Sept. 2003.**





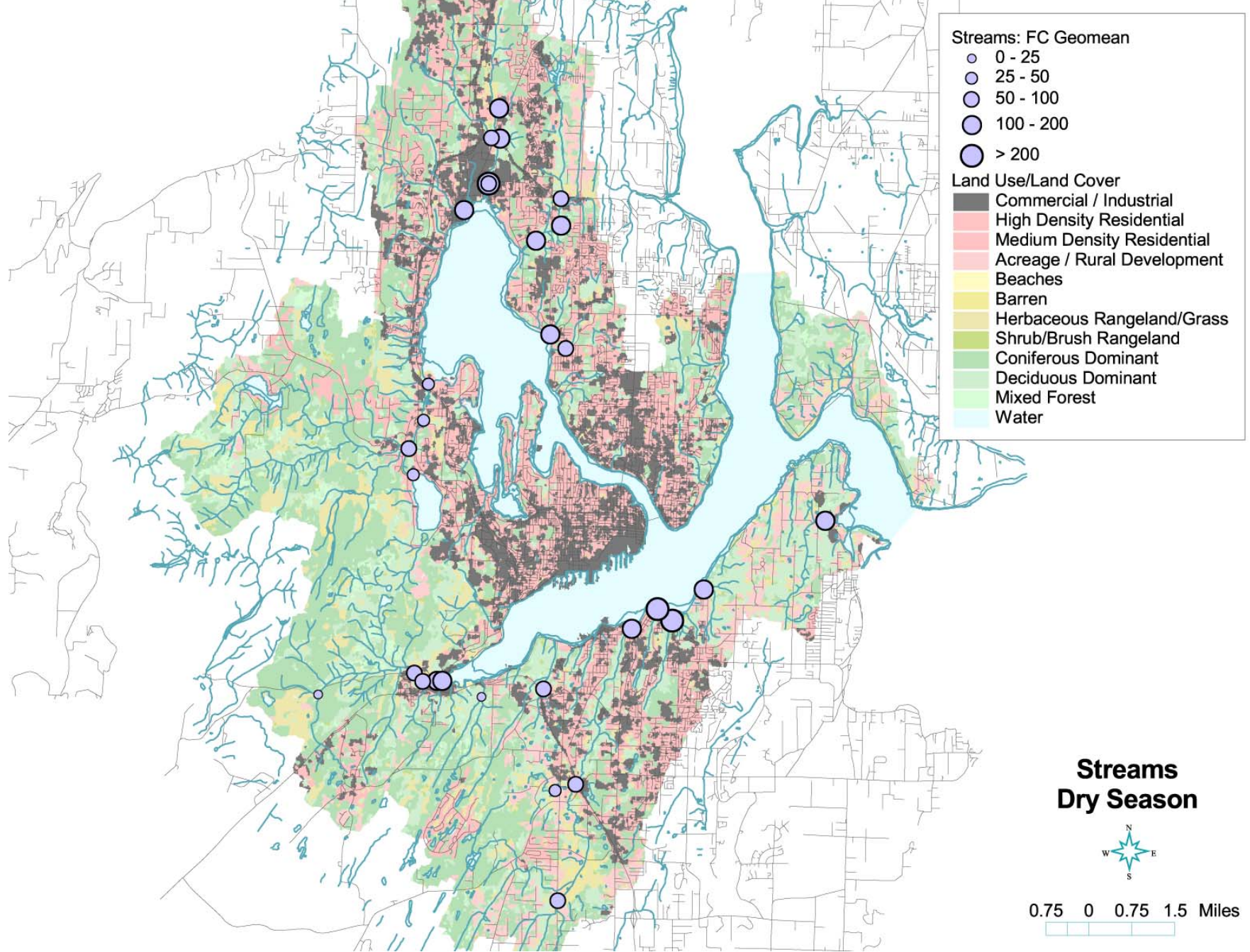
**Figure 12. Bacterial pollution levels for storm event samples of marine waters in the Sinclair-Dyes Inlet watershed. Data include only ENVVEST storm season FC samples collected during the 2002-2003 storm season.**





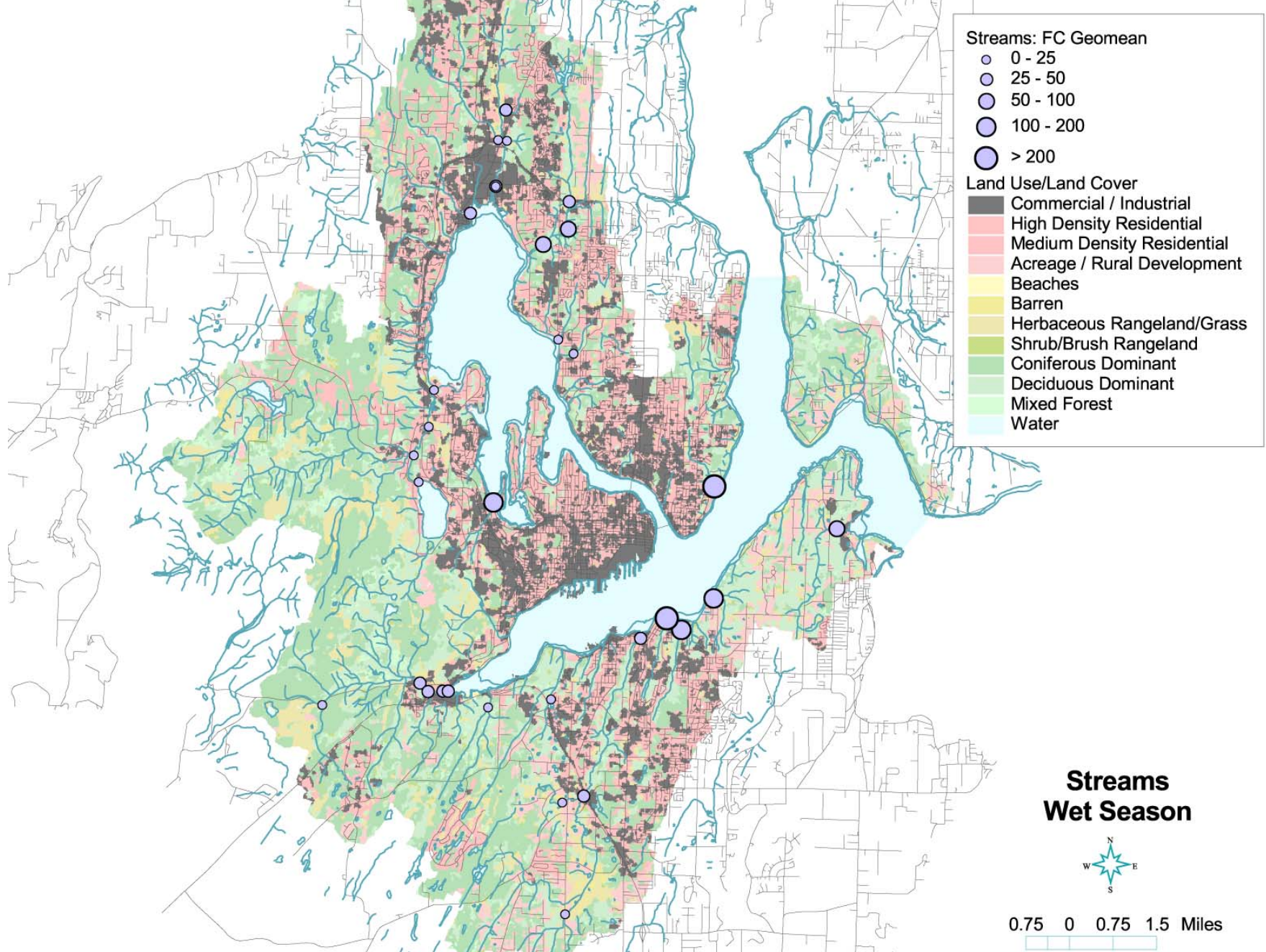
**Figure 13. Bacterial pollution levels for all data of streams in the Sinclair-Dyes Inlet watershed. Data include all FC samples available from Jan 1, 2001 – Sept. 30, 2003**





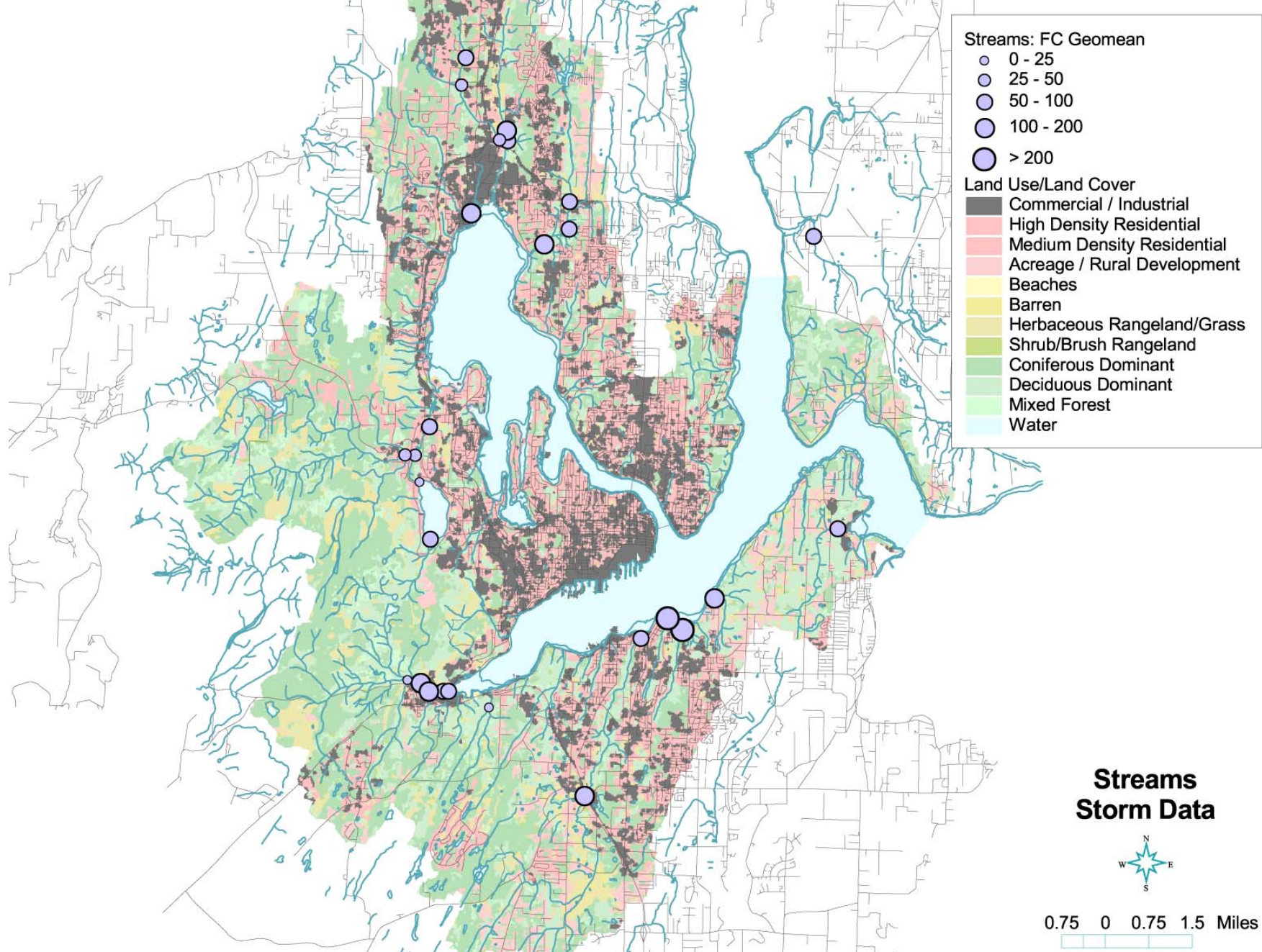
**Figure 14. Bacterial pollution levels for dry season samples of streams in the Sinclair-Dyes Inlet watershed. Data include only dry season FC samples from Jan. 2001 - Sept. 2003.**





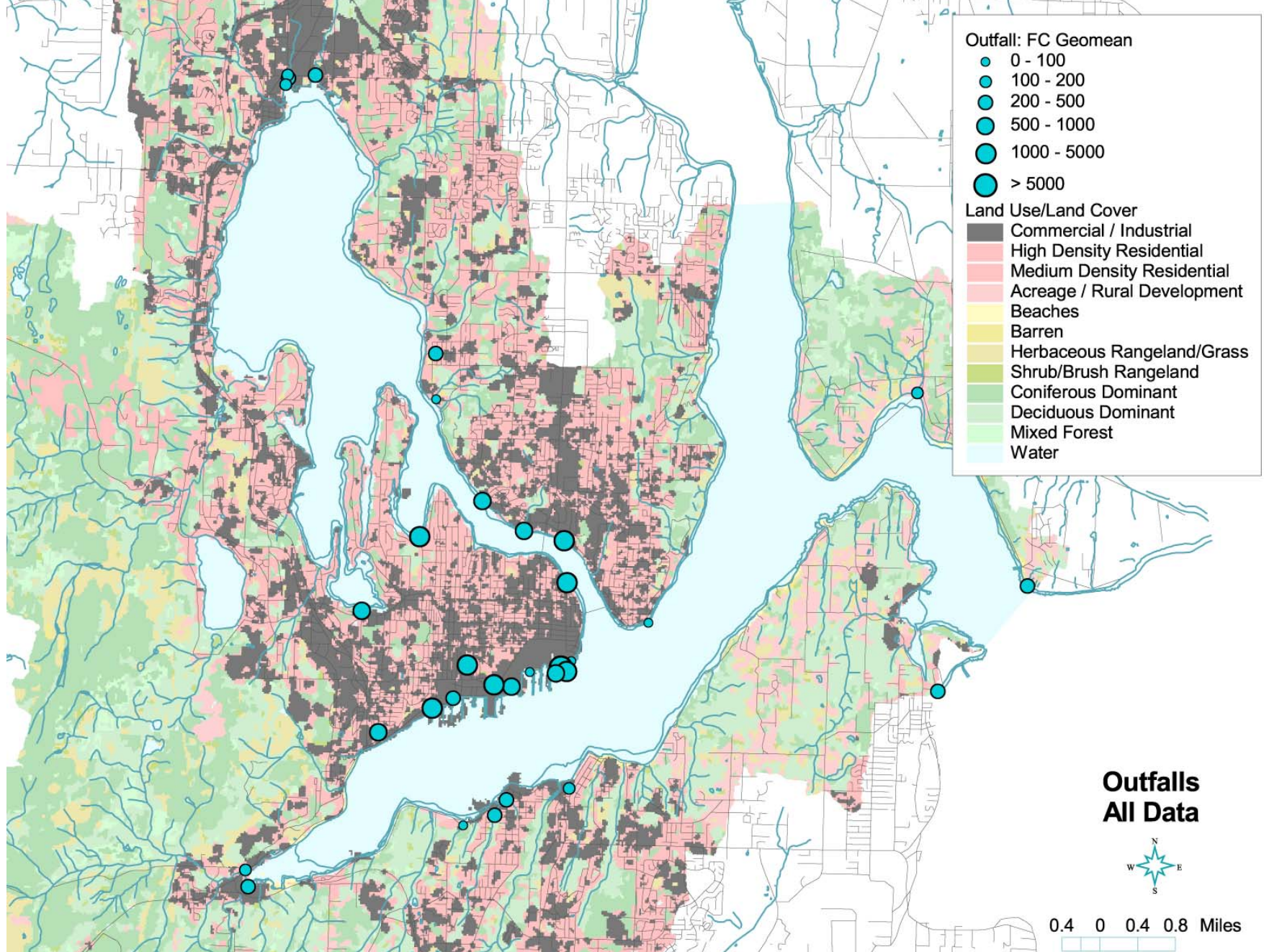
**Figure 15. Bacterial pollution levels for wet season samples of streams in the Sinclair-Dyes Inlet watershed. Data include only wet season FC samples collected by KCHD from Jan. 2001 to Sept. 2003.**





**Figure 16. Bacterial pollution levels for storm event samples of streams in the Sinclair-Dyes Inlet watershed. Data include only ENVVEST storm season FC samples collected during the 2002-2003 storm season.**





**Figure 17. Bacterial pollution levels for all data from storm water outfalls in the Sinclair-Dyes Inlet watershed. Data include only ENVVEST storm season FC samples collected during the 2002-2003 storm season.**